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Relevance scale **1** [Introducing client/server technologies in information systems curricula](#)

 Abhijit Chaudhury, H. Raghav Rao
 September 1997 **ACM SIGMIS Database**, Volume 28 Issue 4

Publisher: ACM PressFull text available:  [pdf\(1.02 MB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

One goal of information systems (IS) departments in business schools is to train IS professionals with the necessary technical skills to support the IS function in companies. This paper suggests that changes are needed for most current IS curricula to meet the technical requirements of the client/server (C/S) world of technologies. It is hoped that the ideas presented here will stimulate debate and discussions as to how this transition can be accomplished.

Keywords: client/server system, information systems education

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Relevance scale



1 Supply/demand of IS doctorates in the 1990s

Sirkka L. Jarvenpaa, B. Ives, Gordon B. Davis

January 1991 **Communications of the ACM**, Volume 34 Issue 1

Publisher: ACM Press

Full text available: [pdf\(2.71 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The field of information systems (IS) has experienced a severe shortage of faculty throughout its 20-year history. This shortage now appears to be lessening. A survey of the supply of IS doctorates finds a steady stream of graduates from IS doctoral programs. In 1989, 61 universities in the U.S. offered Ph.D. or Doctor of Business Administration (D.B.A.) concentrations in information systems. A survey of these programs resulted in 51 responses, including all the programs producing significa ...



2 The 1985-1986 Taulbee survey

David Gries

August 1987 **Communications of the ACM**, Volume 30 Issue 8

Publisher: ACM Press

Full text available: [pdf\(618.83 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Computing Research Board's latest survey on the production and employment of Ph.D.'s and faculty in computer science and engineering depicts a young, optimistic discipline where supply may not always meet demand.



3 The 1988-89 Taulbee survey report

David Gries, Dorothy Marsh

September 1990 **Communications of the ACM**, Volume 33 Issue 9

Publisher: ACM Press

Full text available: [pdf\(1.65 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This report describes the results of a survey of the Forsythe list of computing Departments¹, completed in December, 1989. The survey concerns the production and employment of Ph.D.s that graduated in 1988-892 and the faculty of Ph.D.-granting computing departments during the academic year 1989-90. All 129 Computer Science (CS) departments (117 U.S. and 12 Canadian) participated. In addition, 29 of 32 departments offering the Ph.D. in Computer Engin ...

4 The 1986-1987 Taulbee survey

 D. Gries, D. Marsh

August 1988 **Communications of the ACM**, Volume 31 Issue 8

Publisher: ACM Press

Full text available:  pdf(878.39 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Computing Research Board's 1986-87 Taulbee Survey includes the latest statistics on production and employment of Ph.D.'s and faculty in computer science and engineering. For the first time, departments offering Ph.D.'s in computer engineering are also included.

5 Imbalance between growth and funding in academic computing science: two trends c

 D Gries, R Miller, R Ritchie, P Young

September 1986 **Communications of the ACM**, Volume 29 Issue 9

Publisher: ACM Press

Full text available:  pdf(1.11 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This report is endorsed by the Computer Science Board and prepared by the board's Committee on Research Funding in Computer Science.

6 The 1987—1988 Taulbee survey

 David Gries, Dorothy Marsh

October 1989 **Communications of the ACM**, Volume 32 Issue 10

Publisher: ACM Press

Full text available:  pdf(768.07 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Computing Research Board's 1987-1988 Taulbee Survey includes the latest statistics on production and employment of Ph.D.'s and faculty in computer science and engineering. Included also are departments offering Ph.D.'s in computer engineering.

7 Software engineering...an economic perspective

J. H. Morrissey, L. S.-Y. Wu

September 1979 **Proceedings of the 4th international conference on Software engineering ICSE '79**

Publisher: IEEE Press

Full text available:  pdf(925.58 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The production of software can be viewed as an economic, as well as an engineering, process. Since the prime factor of production is the labor inputs of programmers and systems analysts, the personnel characteristics and employment trends of these occupations in the United States are reviewed. These labor factors are then related to prior and expected trends in the installation and utilization of computer equipment. A discussion of programming labor productivity is followed by a digression ...

8 Staffing the MIS Function

 Theodore C. Willoughby

December 1972 **ACM Computing Surveys (CSUR)**, Volume 4 Issue 4

Publisher: ACM Press

Full text available:  pdf(1.36 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

9 Determinants of MIS employees' turnover intentions: a structural equation model Magid Igbaria, Jeffrey H. GreenhausFebruary 1992 **Communications of the ACM**, Volume 35 Issue 2**Publisher:** ACM PressFull text available:  pdf(11.09 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)**Keywords:** IS personnel, job satisfaction, multivariate analysis, organizational commitment, personnel management, turnover intentions**10 Walter Carlson interview: November 26-27, 2005; Los Gatos, California** Thomas HaighJanuary 2006 **ACM Oral History interviews****Publisher:** ACM PressFull text available:  pdf(292.16 KB)Additional Information: [full citation](#), [abstract](#), [index terms](#)

Walter Carlson discusses his entire career in the computing field. Born in Denver in 1916, Carlson studied Chemical Engineering at the University of Colorado, gaining both bachelors and masters degrees in Chemical Engineering. On graduation Carlson went to work for DuPont, where he worked as part of the corporate Engineering Department to improve industrial processes in different plants. In 1954 his involvement in a feasibility study to investigate computer procurement won Carlson a j ...

11 Level II technical support in a distributed computing environment Tim LeehaneSeptember 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services SIGUCCS '96****Publisher:** ACM PressFull text available:  pdf(5.73 MB)Additional Information: [full citation](#), [references](#), [index terms](#)**12 Essays in computing science**

C. A. R. Hoare

January 1989 Book

Publisher: Prentice-Hall, Inc.Full text available:  pdf(20.91 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [review](#)

Charles Antony Richard Hoare is one of the most productive and prolific computer scientists. This volume contains a selection of his published papers. There is a need, as in a Shakespearian Chorus, to offer some apology for what the book manifestly fails to achieve. It is not a complete 'collected works'. Selection between papers of this quality is not easy and, given the book's already considerable size, some difficult decisions as to what to omit have had to be made. Pity the editor weighin ...

13 Personal computing: personal computers and the world software market Larry PressFebruary 1991 **Communications of the ACM**, Volume 34 Issue 2**Publisher:** ACM PressFull text available:  pdf(1.20 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

It may be trite to say that "the world is shrinking," but it is true nonetheless. Political and technological changes are edging us in the direction of the global village. We have the

economic unification of Western Europe, the transition of Eastern Europe to market economies, and free trade agreements and negotiations in the Western hemisphere. Blue jeans and rock and roll music are found throughout the world, we can direct dial to Iceland, and your grandmother may have a FAX m ...

14 The winter simulation conference: perspectives of the founding fathers

Michel Araten, Harold G. Hixson, Austin C. Hoggatt, Philip J. Kiviat, Michael F. Morris, Arnold Ockene, Julian Reitman, Joseph M. Sussman, James R. Wilson

December 1992 **Proceedings of the 24th conference on Winter simulation WSC '92**

Publisher: ACM Press

Full text available:  pdf(2.83 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



15 The Japanese approach: a better way to manage programmers?

Paul S. Licker

September 1983 **Communications of the ACM**, Volume 26 Issue 9

Publisher: ACM Press

Full text available:  pdf(671.83 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



With a turnover rate among computer programmers of 25%-50% per year, it's time somebody came up with a better way to manage computer professionals. One approach that holds promise is to create a Japanese-style Theory Z atmosphere in the firm, stressing lifetime employment, non-specialized career paths, collective decision-making, and other holistic matters.

Keywords: management of computer programmers, organizations

16 Anthony Oettinger interview: January 10-11, 2006

Atsushi Akera

January 2006 **ACM Oral History interviews**

Publisher: ACM Press

Full text available:  pdf(371.63 KB) Additional Information: [full citation](#), [index terms](#)



17 Research roundup

December 1971 **ACM SIGCPR Computer Personnel**, Volume 2 Issue 4

Publisher: ACM Press

Full text available:  pdf(1.14 MB) Additional Information: [full citation](#)



18 Recruitment and retention of IT professionals: Recruitment is never enough: retention of women and minorities in the IT workplace

Andrea H. Tapia, Lynette Kvasny

April 2004 **Proceedings of the 2004 SIGMIS conference on Computer personnel research: Careers, culture, and ethics in a networked environment SIGMIS CPR '04**

Publisher: ACM Press

Full text available:  pdf(174.68 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



Women, as well as African Americans, Hispanic Americans and Native Americans are

represented in the information technology (IT) workforce in percentages that are far lower than their percentages in the population as a whole. While recruiting efforts are crucial for increasing the participation of women and minorities, it is equally important that we retain those already in the IT workforce. Here we present an assessment of the relevant literature addressing retention issues for women and minorit ...

Keywords: minorities, recruitment, retention, women, workplace diversity

19 A firm-level model of IT personnel planning

 Alice Andrews, Fred Niederman

June 1998 **Proceedings of the 1998 ACM SIGCPR conference on Computer personnel research SIGCPR '98**

Publisher: ACM Press

Full text available:  pdf(1.45 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



Keywords: end user information systems training, human resource planning

20 Managing prototype knowledge/expert system projects

 James M. Cupello, David J. Mishelevich

May 1988 **Communications of the ACM**, Volume 31 Issue 5

Publisher: ACM Press

Full text available:  pdf(1.07 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



Computer science technology in the 1990s will involve knowledge/expert systems. Fundamental issues of technology transfer, training, problem selection, staffing, corporate politics, and more, are explored.

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IET JNL IET Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IET CNF IET Conference Proceeding

IEEE STD IEEE Standard

Article Information

1. **The silicon opportunity of the new millennium-digital information appliances**

Niles, D.T.;

[VLSI Technology, 1999. Digest of Technical Papers. 1999 Symposium on](#)

14-16 June 1999 Page(s):5 - 8

Digital Object Identifier 10.1109/VLSIT.1999.799313

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Lande, S.;

[Gallium Arsenide Integrated Circuit \(GaAs IC\) Symposium, 1992. Technical Digest 1992 IEEE](#)

4-7 Oct. 1992 Page(s):7 - 10

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Mbarika, V.W.A.; Mbarika, I.;

[Spectrum, IEEE](#)

Volume 43, Issue 5, May 2006 Page(s):56 - 60

Digital Object Identifier 10.1109/MSPEC.2006.1628825

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[Abstract](#) | [Full Text: PDF\(104 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#)5. **Optoelectronics-market outlook**[Potentials, IEEE](#)

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Moitra, D.;

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Volume 18, Issue 1, Jan.-Feb. 2001 Page(s):77 - 80

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Fanaeepour, Maryam; Naghavian, Leila; Azgomi, Mohammad Abdollahi;
[Computer Systems and Applications, 2007. AICCSA '07. IEEE/ACS International Conf](#)
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10. **US merchant markets and applications for internal AC/DC switching power supp converters**
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Claasen, T.;
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[Conference.](#)

5-8 Sept. 1994 Page(s):679 - 685

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[New Advances in Optical Recording Technology. IEE Colloquium on](#)
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